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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/831,849	07/19/2001	Mark A. Hayes	A32014-PCT-US	9796	
29540	7590 06/30/2004	EXAMINER			
PITNEY HARDIN LLP			CHOI, LING SIU		
7 TIMES SQUARE NEW YORK, NY 10036-7311			ART UNIT	PAPER NUMBER	
			1713		
			DATE MAILED, 07/20/200		

Please find below and/or attached an Office communication concerning this application or proceeding.

		Applicati	on No.	Applicant(s)	(
Office Action Summary		09/831,84	19	HAYES ET AL.	
		Examine	•	Art Unit	
		Ling-Siu	Choi	1713	
Period fe	The MAILING DATE of this communication a	appears on the	o cover sheet with the	correspondence addres	SS
A SH THE - Exte after - If the - If NO - Faile Any	ORTENED STATUTORY PERIOD FOR REI MAILING DATE OF THIS COMMUNICATION Insions of time may be available under the provisions of 37 CFR SIX (6) MONTHS from the mailing date of this communication. In period for reply specified above is less than thirty (30) days, a second for reply second in the period for reply is specified above, the maximum statutory period for reply within the set or extended period for reply will, by stareply received by the Office later than three months after the material part of the period for the period f	N. 1.136(a). In no ev reply within the stat iod will apply and w tute, cause the app	ent, however, may a reply be utory minimum of thirty (30) d ill expire SIX (6) MONTHS fro lication to become ABANDON	timely filed ays will be considered timely. In the mailing date of this commu JED (35 U.S.C. § 133).	unication.
Status					
1)	Responsive to communication(s) filed on	•			
2a)□	This action is FINAL . 2b)⊠ T	his action is r	ion-final.		
3)	Since this application is in condition for allow closed in accordance with the practice under				erits is
Disposit	ion of Claims				
5) 6) 7)	Claim(s) <u>1-19</u> is/are pending in the applicating 4a) Of the above claim(s) is/are without Claim(s) is/are allowed. Claim(s) is/are rejected. Claim(s) is/are objected to. Claim(s) <u>1-19</u> are subject to restriction and/or	Irawn from co			
Applicat	ion Papers				•
9)[The specification is objected to by the Exam	iner.			
10)[The drawing(s) filed on is/are: a) a	accepted or b)	objected to by the	e Examiner.	
	Applicant may not request that any objection to t	he drawing(s) l	oe held in abeyance. S	ee 37 CFR 1.85(a).	
11)	Replacement drawing sheet(s) including the corr The oath or declaration is objected to by the	•		·	• •
Priority	under 35 U.S.C. § 119				
a)	Acknowledgment is made of a claim for foreign All b) Some * c) None of: 1. Certified copies of the priority docume 3. Copies of the certified copies of the priority docume application from the International Bure See the attached detailed Office action for a light None of the priority document of the certified copies of the priority document of	ents have bee ents have bee riority docum eau (PCT Rul	en received. en received in Applica ents have been recei e 17.2(a)).	ation No ved in this National Sta	ge
Attachmen					
	ce of References Cited (PTO-892) ce of Draftsperson's Patent Drawing Review (PTO-948)		4) Interview Summa Paper No(s)/Mail		
3) 🔲 Infor	mation Disclosure Statement(s) (PTO-1449 or PTO/SB/ er No(s)/Mail Date	08)		Patent Application (PTO-152	2)

Application/Control Number: 09/831,849

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DETAILED ACTION

Election/Restriction

- 1. Restriction to one of the following inventions is required under 35 U.S.C. 121:
 - Claims 1-12 and 17-19, drawn to a device for performing fluid flow, classified in class 204, subclass 601.
 - II. Claims 13-16, drawn to an electrophoretic separation process, classified in class204, subclass 451.
- 2. The inventions are distinct, each from the other because of the following reasons:

Inventions II and I are related as process and apparatus for its practice. The inventions are distinct if can be shown that either: (1) the process as claimed can be practiced by another materially different apparatus or by hand, or (2) the apparatus as claimed can be used to practice another and materially different process (MPEP § 806.05(e)). In the case the process as claimed can be practiced by another materially different apparatus such as an apparatus having selective having the surface of microchannel to be modified.

1. Because these inventions are distinct for the reasons given above and have acquired a separate status in the art because of their recognized divergent subject matter, restriction for examination purposes as indicated is proper.

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- 4. Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).
- 5. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a petition under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Conclusion

6. The summary of claim 1 is as follows,

The present invention relates to a device for Operforming fluid flow, comprising

(1)	a capillary channel	an innert wall surface	
		two ends	
		a cross section of less than about 200x10 ⁻⁹ square meters	
(2)	integrated external electrode(s)	spaced apart from the inner wall surface of the capillary	
		channel by a distance of less than about 160 x 10 ⁻⁶ meters	
		to provide a perpendicular voltage field to the capillary	
		channel	
(3)	two longitudinal electrodes	positioned at the intermediate ends of the capillary	
		channel	

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to provide a longitudinal voltage field through the
capillary channel

(summary of claim 1)

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ling-Siu Choi whose telephone number is 571-272-1098.

If attempt to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Wu, can be reach on 571-272-1114.

Ly & Chai

Ling -Siu Choi

June 25, 2004